

AMENDMENT TO THE CLAIMS

Please replace the below identified claims with the following:

1. (Previously Presented) A system for managing, visualizing, and analyzing geospatial data across a computer network, said system comprising:

a plurality of processing servers integrated with one another for providing at least one data set by distributed processing, said at least one data set comprising a plurality of data set values in different formats; and

a client computer connectable to said plurality of processing servers for transmitting a query request to said plurality of processing servers, for receiving and storing said at least one data set from at least one of said plurality of processing servers, for rendering an image from said at least one data set, and for conducting geospatial queries between said data set values of said at least one data set.

2. (Currently Amended) The system of claim 1, wherein said client computer further derives new data from comparing said data set values with each other wherein the data set values are selected from the group of raster data, vector data, and tabular data said at least one data set.

3. (Canceled).

4. (Currently Amended) The system of claim 2 3, wherein said image comprises superimposed multiple layers of subimages and the new data compares attributes of at least two of the multiple layers.
5. (Original) The system of claim 4, wherein each of said subimages rendered from one of said plurality of data sets.
6. (Original) The system of claim 1, wherein said at least one data set comprises a plurality of data sets and said image rendered from said plurality of data sets.
7. (Original) The system of claim 6, wherein said plurality of data sets are stored on a respective one of said processing servers.
8. (Canceled).
9. (Currently Amended) The system of claim 4 2, wherein said image is modified to include said new data.
10. (Canceled).
11. (Previously Presented) The system of claim 1, wherein each said plurality of servers executes a respective server application, and the server applications executed by

said plurality of servers being integrated with one another so as to provide said at least one data set.

12. (Previously Presented) The system of claim 11, wherein said plurality of servers comprises:

a host server connectable to said client computer and at least one other server;

a raster image server for retrieving and sending referenced graphic features to said host server;

a database server for maintaining a relational database, said database storing spatial data and tabular data;

a geospatial metadata server operatively connected to said database server for providing data mining of said database;

a map query server for receiving a spatial operation request from said client computer and for generating a map query request to said database server, thereby said database server returning unique identifiers for all features in said spatial operation request in a format readable by said client computer; and

a vector map server.

13. (Original) The system of claim 1, wherein said at least one data set comprises spatial data and attribute data.

14. (Currently Amended) A method of managing, visualizing, and analyzing geospatial data across a computer network, said method comprising;

transmitting a query request from a client computer to one of a plurality of processing servers integrated with one another;

using distributed processing to provide at least one data set comprising a plurality of data set values in different formats, including at least raster, vector, and tabular formats, from at least one of the plurality of servers;

sending the at least one data set to the client computer in a format readable by said client computer; and

using the client computer to render an image from the at least one data set.

15. (Previously Presented) The method of claim 14, wherein the query request comprises a request to conduct geospatial queries between said data set values.

16. (Original) The method of claim 14, wherein the at least one data set comprises a plurality of data sets and the image is rendered from the plurality of data sets.

17. (Original) The method of claim 16, said rendering the image comprises superimposed multiple layers of subimages.
18. (Original) The method of claim 17, wherein each of the subimages are rendered from one of the plurality of data sets.
19. (Currently Amended) The method of claim 14, further comprising:
- storing the at least one data set by the client computer; and
- ~~modifying~~ comparing at least two of the data set values of said at least one data set to generate new data.
20. (Currently Amended) The method of claim 19, said rendering the image comprises ~~modifying~~ adding the image from said new data.
21. (Canceled).
22. (Original) The method of claim 14, further comprising:
- executing a respective server application on each of the plurality of servers; and

wherein the server applications are integrated with one another for said providing the at least one data set.

23. (Original) The method of claim 22, wherein providing at least one data set comprising a respective plurality of data set values by the plurality of servers comprises:

maintaining and storing spatial data and tabular data in a relational database on a database server.

24. (Original) The method of claim 22, wherein providing at least one data set comprising a respective plurality of data set values by the plurality of servers comprises:

retrieving and sending referenced graphic features to a host server from a raster image server.

25. (Original) The method of claim 22, wherein providing at least one data set comprising a respective plurality of data set values by the plurality of servers comprises:

extracting data from the relational database using a geospatial metadata server, the geospatial metadata server accesses and provides queries to the database server.

26. (Previously Presented) The method of claim 22, wherein providing at least one data set comprising a respective plurality of data set values by the plurality of servers comprises:

sending a spatial operation request by the client computers;

receiving a spatial operation request by a map query server;

generating a map query request by the map query server;

transmitting the map query request to a database server; and

returning unique identifiers by the database server for all features in the spatial operation request.

27. (Original) The method of claim 22, wherein providing at least one data set comprising a respective plurality of data set values by the plurality of servers comprises:

maintaining and storing spatial data and tabular data in a relational database on a database server;

retrieving and sending graphic features to a host server from a raster image server;

extracting data from the relational database using a geospatial metadata server, the geospatial metadata server accessing and providing queries to the database server;

sending a spatial operation request by the client computer;

receiving a spatial operation request sent by a map query server;

generating a map query request by the map query server;

transmitting the map query request to the database server; and

returning unique identifiers by the database server for all features in the spatial operation request.

28. (Original) The method of claim 14, wherein the at least one data set comprises spatial data and attribute data.